



U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Springfield Iron - Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region V

**Subject:** POLREP #2  
Springfield Iron  
  
Springfield, IL  
Latitude: 39.8257078 Longitude: -89.6382100

**To:** Sam Borries, U.S. EPA  
Jason El-Zein, U.S. EPA

**From:** Jaime Brown, OSC

**Date:** 9/27/2013

**Reporting Period:** 9/14/13 to 9/27/13

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	C5D8	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	6/13/2013
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	9/9/2013	<b>Start Date:</b>	9/9/2013
<b>Demob Date:</b>		<b>Completion Date:</b>	

CERCLIS ID: ILN00051 0597 RCRIS ID:  
ERNS No.: State Notification: Yes  
FPN#: Reimbursable Account #:

### **1.1.1 Incident Category**

Time Critical Removal Action

### **1.1.2 Site Description**

The Springfield Iron Company originally occupied approximately 50 acres on the north side of Springfield, east of Factory Street and south of Griffiths Avenue. The Springfield Iron Company was north of what is now Ridgely Avenue and mostly west of what is now 14th Street. A portion of the Springfield Iron Company extended east to the present location of the Chicago and Illinois Railroad. The Site currently is occupied by a mix of commercial and residential properties that include warehouse space, wholesale merchandise storage, a plumbing service company, a taxi company, an electrical substation, a large city water storage tank, and a city backup electrical generator. Residential properties occupy the southernmost part of the Site property and border the Site to the east, north, and south. The Chicago and Illinois Railroad is located west of Site. A mix of industrial, commercial, and residential properties exist west of the Chicago and Illinois Railroad.

#### **1.1.2.1 Location**

The Site is located at approximately 1900 Factory Street in Springfield, Sangamon County, Illinois. The Site's geographical coordinates are 39°49'36.68" North latitude and 89°38'13.01" West longitude.

#### **1.1.2.2 Description of Threat**

EPA documented the presence of hazardous substances and pollutants during its Site Assessment activities conducted on August 28 and 29, 2012. The following hazardous substances were found in soils and surficial coal tar at levels that exceed their respective RMLs: 2-methylnaphthalene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, nbenzo(k)fluoranthene, dibenz(a,h)anthracene, dibenzofuran, indeno(1,2,3-cd)pyrene, and naphthalene. These contaminants pose a threat of release by migration and surface exposure.

### **1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

Based on site assessment results, the Site poses an imminent and substantial threat to the public health or welfare of the United States or the environment. Hazards identified at the Site include the following:

- Coal tar in soil migrating to the ground surface, including public sidewalks
- Soil at ground surface contaminated with SVOCs at concentrations exceeding U.S. EPA RMLs
- Soil at 2 to 6 feet bgs contaminated with metals and SVOCs at concentrations exceeding U.S. EPA RMLs

## **2. Current Activities**

### **2.1 Operations Section**

#### **2.1.1 Narrative**

Excavation of coal tar solids and impacted soil in Area 1 (south) occurred from 9/16/13 to 9/23/13. Confirmation soil samples were collected by START and submitted for laboratory analysis. The results showed no exceedances of EPA RSLs for lead, vanadium, or benzene. Area 1 was backfilled and compacted beginning on 9/26/13.

#### **2.1.2 Response Actions to Date**

During the week of September 9-13th, site personnel mobilized to the site and began site set-up tasks. This included trailer installation, equipment delivery, and temporary perimeter fencing

installation.

### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>
coal tar impacted soil	soil	36 loads/ 954.60 tons	multiple	none	Waste Management Milam Landfill (East St. Louis, IL)

## 2.2 Planning Section

### 2.2.1 Anticipated Activities

US EPA's contractor Environmental Restoration will begin excavating soil in Areas 2-4 (northwest portion of the Site) next week after the Factory Road is temporarily closed by the city.

#### 2.2.1.1 Planned Response Activities

US EPA's contractor Environmental Restoration will excavate soil at a minimum down to 2 feet below ground surface to removal coal tar product and impacted soil. Waste will be loaded into trucks and shipped off site for disposal. Confirmation samples will be collected from the excavated areas to document the removal of constitutes of concern. The excavated area will then be backfilled with clean fill and restored to the original grade level.

#### 2.2.1.2 Next Steps

Coordinate activities with the various departments from the City of Springfield in preparation of north area excavation.

#### 2.2.2 Issues

Possible inclement weather.

## 2.3 Logistics Section

NA

## 2.4 Finance Section

### Estimated Costs \*

	<b>Budgeted</b>	<b>Total To Date</b>	<b>Remaining</b>	<b>% Remaining</b>
<b>Extramural Costs</b>				
ERRS - Cleanup Contractor	\$858,000.00	\$102,574.00	\$755,426.00	88.04%
START	\$50,000.00	\$20,000.00	\$30,000.00	60.00%
<b>Intramural Costs</b>				

<b>Total Site Costs</b>	\$908,000.00	\$122,574.00	\$785,426.00	86.50%

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

## **2.5 Other Command Staff**

### **2.5.1 Safety Officer**

Nick Michaleas- ERRS Health And Safety Officer  
Tonya Balla - START Health And Safety Officer

### **2.5.2 Liaison Officer**

### **2.5.3 Information Officer**

## **3. Participating Entities**

### **3.1 Unified Command**

US EPA is the lead agency on Site.

### **3.2 Cooperating Agencies**

ATSDR  
IEPA  
City of Springfield

## **4. Personnel On Site**

US EPA (1)  
ERRS (3)  
START (1)

## **5. Definition of Terms**

ATSDR - Agency for Toxic Substances and Disease Registry  
bgs - below ground surface  
IEPA - Illinois Environmental Protection Agency  
OSC - On-Scene Coordinator  
RSL - Regional Screening Level  
RML - Removal Management Level  
ERRS - Emergency Removal and Response Services  
START - Superfund Technical Assessment and Response Team

## **6. Additional sources of information**

### **6.1 Internet location of additional information/report**

### **6.2 Reporting Schedule**

POLREPs will be generated on a weekly basis during removal activities.

## **7. Situational Reference Materials**

No information available at this time.